RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/600,389A
Source: IFW16
Date Processed by STIC: 3/8/06

ENTERED

IFW/6

RAW SEQUENCE LISTING DATE: 03/08/2006
PATENT APPLICATION: **US/10/600,389A** TIME: 11:49:44

Input Set : **A:\337.st25.txt**
Output Set: **N:\CRF4\03072006\J600389A.raw**

<110> APPLICANT: Pilauri, Vepkhia
Hopper, James E.
Peng, Gang
Vyshkina, Tamara
<120> TITLE OF INVENTION: M-GAL: A GAL GENE SWITCH-BASED SUITE OF METHODS FOR PROTEIN ANALYSES AND PROTEIN EXPRESSION IN METAZOAN CELLS
<130> FILE REFERENCE: 03-337
-> **<140> CURRENT APPLICATION NUMBER: US/10/600,389A**
-> **<141> CURRENT FILING DATE: 2003-06-20**
<150> PRIOR APPLICATION NUMBER: 60/390872
<151> PRIOR FILING DATE: 2002-06-20
<160> NUMBER OF SEQ ID NOS: 44
<170> SOFTWARE: PatentIn version 3.2
<210> SEQ ID NO: 1
<211> LENGTH: 16
<212> TYPE: PRT
<213> ORGANISM: Artificial sequence
<220> FEATURE:
<223> OTHER INFORMATION: N-myristoylation signal
<400> SEQUENCE: 1

```
Met Gly Cys Thr Val Ser Thr Gln Thr Ile Gly Asp Glu Ser Asp Pro
1               5                   10                  15
```

<210> SEQ ID NO: 2
<211> LENGTH: 16
<212> TYPE: PRT
<213> ORGANISM: Artificial sequence
<220> FEATURE:
<223> OTHER INFORMATION: N-myristoylation signal variant
<400> SEQUENCE: 2

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Met Ala Cys Thr Val Ser Thr Gln Thr Ile Gly Asp Glu Ser Asp Pro
1               5                   10                  15
```

<210> SEQ ID NO: 3
<211> LENGTH: 29
<212> TYPE: PRT
<213> ORGANISM: Artificial sequence
<220> FEATURE:
<223> OTHER INFORMATION: mitochondria outer membrane signal anchor
<400> SEQUENCE: 3

```
Met Lys Ser Phe Ile Thr Arg Asn Lys Thr Ala Ile Leu Ala Thr Val
1               5                   10                  15
Ala Ala Thr Gly Thr Ala Ile Gly Ala Tyr Tyr Tyr Tyr
            20                  25
```

<210> SEQ ID NO: 4

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Input Set : **A:\337.st25.txt**
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67 <211> LENGTH: 28
68 <212> TYPE: DNA
69 <213> ORGANISM: Artificial
71 <220> FEATURE:
72 <223> OTHER INFORMATION: PCR primer
74 <400> SEQUENCE: 4
75 aataccgcgg atgaatacaa acgttcca 28
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 30
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial
83 <220> FEATURE:
84 <223> OTHER INFORMATION: PCR primer
86 <400> SEQUENCE: 5
87 aataggatcc gcttgttcgt acaaacaagt 30
90 <210> SEQ ID NO: 6
91 <211> LENGTH: 16
92 <212> TYPE: PRT
93 <213> ORGANISM: Artificial
95 <220> FEATURE:
96 <223> OTHER INFORMATION: The protein sequence encoded by GANG49/50 nucleotide sequence
97 annealed and inserted at the SpeI/PstI site to generate a
98 Myr-Gal3 construct.
100 <400> SEQUENCE: 6
102 Met Gly Cys Thr Val Ser Thr Gln Thr Ile Gly Asp Glu Ser Asp Pro
103 1 5 10 15
106 <210> SEQ ID NO: 7
107 <211> LENGTH: 26
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: primer
114 <400> SEQUENCE: 7
115 aactgcaggt atgtctaaag gtgaag 26
118 <210> SEQ ID NO: 8
119 <211> LENGTH: 59
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: primer
126 <400> SEQUENCE: 8
127 ctagtatggg gtgtacagtg agtacgcaaa caataggaga cgaaagtgat ccttctgca 59
130 <210> SEQ ID NO: 9
131 <211> LENGTH: 51
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: primer
138 <400> SEQUENCE: 9

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PATENT APPLICATION: **US/10/600,389A** TIME: 11:49:44

Input Set : **A:\337.st25.txt**
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```
139 gaaggatcac tttcgtctcc tattgtttgc gtactcactg tacaccccat a            51
142 <210> SEQ ID NO: 10
143 <211> LENGTH: 48
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: primer
150 <400> SEQUENCE: 10
151 ctagtatgaa gagcttcatt acaaggaaca agacagccat tttggcaa                48
154 <210> SEQ ID NO: 11
155 <211> LENGTH: 53
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: primer
162 <400> SEQUENCE: 11
163 ccgttgctgc tacaggtact gccatcggtg cctactatta ttacggtgct gca          53
166 <210> SEQ ID NO: 12
167 <211> LENGTH: 51
168 <212> TYPE: DNA
169 <213> ORGANISM: Artificial sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: primer
174 <400> SEQUENCE: 12
175 gcaacggttg ccaaaatggc tgtcttgttc cttgtaatga agctcttcat a            51
178 <210> SEQ ID NO: 13
179 <211> LENGTH: 42
180 <212> TYPE: DNA
181 <213> ORGANISM: Artificial sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: primer
186 <400> SEQUENCE: 13
187 gcaccgtaat aatagtaggc accgatggca gtacctgtag ca                      42
190 <210> SEQ ID NO: 14
191 <211> LENGTH: 51
192 <212> TYPE: DNA
193 <213> ORGANISM: Artificial sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: primer
198 <400> SEQUENCE: 14
199 cagttgggtg gtggtggtcg ttacccatac gacgtcccag actacgctgc a            51
202 <210> SEQ ID NO: 15
203 <211> LENGTH: 51
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: primer
210 <400> SEQUENCE: 15
211 gcgtagtctg ggacgtcgta tgggtaacga ccaccaccac ccaactgtgc a            51
```

RAW SEQUENCE LISTING DATE: 03/08/2006
PATENT APPLICATION: **US/10/600,389A** TIME: 11:49:44

Input Set : **A:\337.st25.txt**
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214 <210> SEQ ID NO: 16
215 <211> LENGTH: 29
216 <212> TYPE: DNA
217 <213> ORGANISM: Artificial sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: primer
222 <400> SEQUENCE: 16
223 aactgcagat ttgtacaatt catccatac 29
226 <210> SEQ ID NO: 17
227 <211> LENGTH: 27
228 <212> TYPE: DNA
229 <213> ORGANISM: Artificial sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: primer
234 <400> SEQUENCE: 17
235 catggcatta ccaccatata catatcc 27
238 <210> SEQ ID NO: 18
239 <211> LENGTH: 26
240 <212> TYPE: DNA
241 <213> ORGANISM: Artificial sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: primer
246 <400> SEQUENCE: 18
247 gaaggtttgt ggggccaggt tactgc 26
250 <210> SEQ ID NO: 19
251 <211> LENGTH: 22
252 <212> TYPE: DNA
253 <213> ORGANISM: Artificial sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: primer
258 <400> SEQUENCE: 19
259 gtgcatttgg ccttcaatga gc 22
262 <210> SEQ ID NO: 20
263 <211> LENGTH: 25
264 <212> TYPE: DNA
265 <213> ORGANISM: Artificial sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: primer
270 <400> SEQUENCE: 20
271 aagtgatgtt cgacatacct gtaac 25
274 <210> SEQ ID NO: 21
275 <211> LENGTH: 36
276 <212> TYPE: DNA
277 <213> ORGANISM: Artificial sequence
279 <220> FEATURE:
280 <223> OTHER INFORMATION: primer
282 <400> SEQUENCE: 21
283 cgttacccat acgacgtccc agactacgct ggttgg, 36
286 <210> SEQ ID NO: 22

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PATENT APPLICATION: US/10/600,389A TIME: 11:49:44

Input Set : A:\337.st25.txt
Output Set: N:\CRF4\03072006\J600389A.raw

287 <211> LENGTH: 36
288 <212> TYPE: DNA
289 <213> ORGANISM: Artificial sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: primer
294 <400> SEQUENCE: 22
295 cgccaaccag cgtagtctgg gacgtcgtat gggtaa 36
298 <210> SEQ ID NO: 23
299 <211> LENGTH: 25
300 <212> TYPE: DNA
301 <213> ORGANISM: Artificial sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: primer
306 <400> SEQUENCE: 23
307 gatacttccc aattcgtctt cagag 25
310 <210> SEQ ID NO: 24
311 <211> LENGTH: 32
312 <212> TYPE: DNA
313 <213> ORGANISM: Artificial sequence
315 <220> FEATURE:
316 <223> OTHER INFORMATION: primer
318 <400> SEQUENCE: 24
319 ctggaataga ctagttgtgt attacgatat ag 32
322 <210> SEQ ID NO: 25
323 <211> LENGTH: 37
324 <212> TYPE: DNA
325 <213> ORGANISM: Artificial sequence
327 <220> FEATURE:
328 <223> OTHER INFORMATION: primer
330 <400> SEQUENCE: 25
331 ccaatgcatg tatgagtaaa ggagaagaac ttttcac 37
334 <210> SEQ ID NO: 26
335 <211> LENGTH: 26
336 <212> TYPE: DNA
337 <213> ORGANISM: Artificial sequence
339 <220> FEATURE:
340 <223> OTHER INFORMATION: primer
342 <400> SEQUENCE: 26
343 tttgtattgc atgcggatcg gggatc 26
346 <210> SEQ ID NO: 27
347 <211> LENGTH: 39
348 <212> TYPE: DNA
349 <213> ORGANISM: Artificial sequence
351 <220> FEATURE:
352 <223> OTHER INFORMATION: primer
354 <400> SEQUENCE: 27
355 acaagtaata atcgatcgtc tgaagtaatt gaaggtaac 39
358 <210> SEQ ID NO: 28
359 <211> LENGTH: 35

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 03/08/2006
PATENT APPLICATION: **US/10/600,389A** TIME: 11:49:45

Input Set : **A:\337.st25.txt**
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valid <213> Response:
e of "Artificial" only as "<213> Organism" response is incomplete,
r 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

I#:4,5,6,37,38

VERIFICATION SUMMARY DATE: 03/08/2006
PATENT APPLICATION: **US/10/600,389A** TIME: 11:49:45

Input Set : **A:\337.st25.txt**
Output Set: **N:\CRF4\03072006\J600389A.raw**

13 M:270 C: Current Application Number differs, Replaced Current Application No
13 M:271 C: Current Filing Date differs, Replaced Current Filing Date